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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. B0023-US02	SERIAL NO. 10/709079
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT HLAVINKA, et al	
(Use several sheets if necessary)	FILING DATE 4/12/04	GROUP ART

## U.S. PATENT DOCUMENTS

EXAMINER/INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DL</i>	Re. 33,924	5/1992	Valeri			
	3,145,713	8/1964	Latham, Jr.			
	3,619,201	7/1970	Eisel et al.			
	3,655,123	4/1972	Judson et al.			
	3,737,096	6/1973	Jones et al.			
	3,748,101	7/1973	Jones et al.			
	3,825,175	7/1974	Santory			
	3,880,592	4/1975	Kelly et al.			
	3,955,756	5/1976	Brellatt, Jr. et al.			
	3,986,442	10/1976	Khoja et al.			
	4,007,871	2/1977	Jones et al.			
	4,010,894	3/1977	Kellogg et al.			
	4,018,304	4/1977	Lolachi et al.			
	4,059,108	11/1977	Latham, Jr.			
	4,086,824	5/1978	Latham, Jr.			
	4,094,461	6/1978	Kellogg et al.			
	4,108,353	8/1978	Brown			
	4,109,852	8/1978	Brown et al.			
	4,109,854	8/1978	Brown			
	4,109,855	8/1978	Brown et al.			
	4,111,356	9/1978	Boggs et al.			
	4,113,173	9/1978	Lolachi			
	4,114,802	9/1978	Brown et al.			
	4,120,448	10/1978	Cullis			
	4,120,449	10/1978	Brown et al.			
<i>DL</i>	4,148,172	3/1979	Cullis et al.			

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*Pat. Lohin*

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<i>DL</i>	4,184,318	8/1979	Boggs			
	4,185,629	1/1980	Cullis et al.			
	4,187,979	2/1980	Cullis et al.			
	4,191,182	3/1980	Popovich et al.			
	4,194,684	3/1980	Boggs			
	4,216,770	8/1980	Cullis et al.			
	4,245,383	1/1981	Boggs			
	4,303,193	12/1981	Latham, Jr.			
	4,304,357	12/1981	Schoendorfer			
	4,330,080	5/1982	Mathieu			
	4,332,351	6/1982	Kellogg et al.			
	4,379,452	4/1983	DeVries			
	4,386,730	6/1983	Mulzet			
	4,387,848	6/1983	Kellogg et al.			
	4,402,680	9/1983	Schoendorfer			
	4,416,654	11/1983	Schoendorfer et al.			
	4,416,778	11/1983	Rogers			
	4,417,884	11/1983	Schoendorfer et al.			
	4,421,503	12/1983	Latham, Jr. et al.			
	4,425,112	1/1984	Ito			
	4,430,072	2/1984	Kellogg et al.			
	4,435,293	3/1984	Graham, Jr. et al.			
	4,436,631	3/1984	Graham, Jr. et al.			
	4,439,178	3/1984	Mulzet			
	4,447,221	5/1984	Mulzet			
	4,484,167	8/1984	Schoendorfer et al.			
	4,482,342	11/1984	Lueptow et al.			
<i>DL</i>	4,526,515	7/1985	DeVries			

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*Paul Sorlin*

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DN</i>	4,531,932	7/1985	Luppi et al.			
	4,557,719	12/1985	Neumann et al.			
	4,610,846	9/1986	Martin			
	4,636,193	1/1987	Cullis			
	4,637,813	1/1987	DeVries			
	4,647,279	3/1987	Mulzet et al.			
	4,670,147	6/1987	Schoendorfer et al.			
	4,675,106	6/1987	Schoendorfer et al.			
	4,675,117	6/1987	Neumann et al.			
	4,696,668	9/1987	Rice, Jr.			
	4,708,712	11/1987	Mulzet			
	4,713,176	12/1987	Schoendorfer et al.			
	4,734,089	3/1988	Cullis			
	4,738,655	4/1988	Brimhall et al.			
	4,740,313	4/1988	Schoendorfer et al.			
	4,753,729	6/1988	Schoendorfer et al.			
	4,755,300	7/1988	Fischel et al.			
	4,776,964	10/1988	Schoendorfer et al.			
	4,790,807	12/1988	Neumann et al.			
	4,804,363	2/1989	Valeri			
	4,806,247	2/1989	Schoendorfer et al.			
	4,816,151	3/1989	Schoendorfer et al.			
	4,834,890	5/1989	Brown et al.			
	4,850,995	7/1989	Tie et al.			
	4,850,998	7/1989	Schoendorfer			
	4,851,126	7/1989	Schoendorfer			
	4,869,812	9/1989	Schoendorfer et al.			
<i>DN</i>	4,879,040	11/1989	Prince et al.			

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 80023-US02	SERIAL NO. 10/709079
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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DL</i>	4,911,833	3/1990	Schoendorfer et al.			
	4,919,817	4/1990	Schoendorfer et al.			
	4,934,995	6/1990	Cullis			
	4,935,002	6/1990	Gordon			
	4,940,543	7/1990	Brown et al.			
	4,943,273	7/1990	Pages			
	4,944,883	7/1990	Schoendorfer et al.			
	4,988,295	11/1990	Neumann			
	4,983,158	1/1991	Headley			
	4,990,132	2/1991	Unger et al.			
	5,006,103	4/1991	Bacehowski et al.			
	5,034,135	7/1991	Fischel			
	5,053,121	10/1991	Schoendorfer et al.			
	5,053,127	10/1991	Schoendorfer et al.			
	5,061,381	10/1991	Burd			
	5,104,526	4/1992	Brown et al.			
	5,114,396	5/1992	Unger et al.			
	5,135,667	8/1992	Schoendorfer			
	5,147,290	9/1992	Jonsson			
	5,171,456	12/1992	Hwang et al.			
	5,186,844	2/1993	Burd et al.			
	5,188,583	2/1993	Guigan			
	6,184,145	3/1993	Schoendorfer			
	5,217,426	6/1993	Bacehowski et al.			
	5,217,427	6/1993	Cullis			
	5,260,598	1/1993	Brass et al.			
	5,275,731	1/1994	Jahn			
<i>DL</i>	5,281,342	1/1994	Biesel et al.			

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EXAMINER/INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>521</i>	5,295,953	3/1994	Richard et al.			
	5,298,171	3/1994	Biesel			
	5,370,802	12/1994	Brown			
	5,376,263	12/1994	Fischel			
	5,405,308	4/1995	Headley et al.			
	5,421,812	6/1995	Langley et al.			
	5,445,593	8/1995	Biesel et al.			
	5,464,534	11/1995	Fischel			
	5,494,592	2/1996	Latham, Jr. et al.			
	5,571,068	11/1996	Bacehowski et al.			
	5,605,842	2/1997	Langley et al.			
	5,607,579	3/1997	Latham, Jr. et al.			
	5,607,830	3/1997	Biesel et al.			
	5,611,997	3/1997	Langley et al.			
	5,614,106	3/1997	Payrat et al.			
	5,651,766	7/1997	Kingsley et al.			
	5,653,887	8/1997	Wahl et al.			
	5,674,173	10/1997	Hlavinka et al.			
	5,702,357	12/1997	Bainbridge et al.			
	5,704,888	1/1998	Hlavinka et al.			
	5,704,889	1/1998	Hlavinka et al.			
	5,722,926	3/1998	Hlavinka et al.			
	5,723,050	3/1998	Unger et al.			
	5,728,060	3/1998	Kingsley et al.			
	5,733,253	3/1998	Headley et al.			
	5,738,644	4/1998	Holmes et al.			
	5,738,792	4/1998	Schoendorfer			
<i>521</i>	5,779,680	7/1998	Kingsley et al.			

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*David Rubin*

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	5,783,085	7/1998	Fischel			
	5,782,038	8/1998	Hlavinka			
	5,853,382	12/1998	Kingsley et al.			
	5,876,321	3/1999	Hlavinka et al.			
	5,882,289	3/1999	Sakota et al.			
	5,885,239	3/1999	Headley et al.			
	5,904,355	5/1999	Powers			
	5,939,319	8/1999	Hlavinka et al.			
	5,951,877	9/1999	Langley et al.			
	5,954,626	9/1999	Hlavinka			
	6,007,509	12/1999	Kingsley et al.			
	6,019,742	2/2000	Headley et al.			
	6,039,711	3/2000	Headley et al.			
	6,053,856	4/2000	Hlavinka			
	6,062,078	5/2000	Meisberger			
	6,074,335	6/2000	Headley et al.			
	6,099,491	8/2000	Headley et al.			
	6,102,883	8/2000	Kingsley et al.			
	6,200,287	3/2001	Keller et al.			
	6,221,315	4/2001	Giesler et al.			
	6,261,217	7/2001	Unger et al.			
	6,273,849	8/2001	Scherer			
	6,277,060	8/2001	Neumann			
	6,280,375	8/2001	Meisberger et al.			
	6,296,602	10/2001	Headley			
	6,315,707	11/2001	Smith et al.			
	6,319,471	11/2001	Langley et al.			
<i>JS</i>	6,322,488	11/2001	Westberg et al.			

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<i>PH</i>	6,325,775	12/2001	Thom et al.		1	
<i>PH</i>	6,334,842	1/2002	Hlavinka et al.		1	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
<i>PH</i>	DE28 58 926	12/1976	DE			
<i>PH</i>	EP0096217	2/1983	EP			
<i>PH</i>	EP0214803	3/1987	EP			
<i>PH</i>	EP1043072	10/11/2000	EP			Abstract Only
<i>PH</i>	JP55086552	6/30/1980	JP			Abstract only
<i>PH</i>	PCT/US00/06561	9/2000	WO			
<i>PH</i>	PCT/US95/13447	4/1996	International Search Report(03/29/1996)			
<i>PH</i>	PCT/US95/13447	4/1996	WO			
<i>PH</i>	PCT/US96/03018	12/1996	WO			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>PH</i>	D. W. Schoendorfer: Automation in Apheresis, pp.129-146 (undated, in use one year prior to filing)
<i>PH</i>	International Search Report for Corresponding PCT Application PCT/US01/46940

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